



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of

Hironori OKADO

Group Art Unit: 2821

Application No.: 10/657,108

Examiner: H. VY

Filed: September 9, 2003

Docket No.: 116713

For: WIDE BANDWIDTH ANTENNA

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance or other action that closes prosecution (e.g., Quayle Action).
- ☒ a. Attached is our check no. 172246 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☒ 2. In accordance with 37 CFR §1.98(a)(2)(ii), copies of any U.S. patents and patent application publications are not attached.
- ☒ 3. English language Abstracts of the non-English language references are attached hereto.

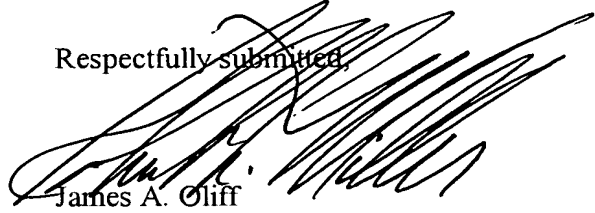
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- ☒ 4. Computer-generated English language translations of the following Japanese Patent Publications have been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and are attached, but have not been reviewed for accuracy. See Reference 15-23.

Respectfully submitted,



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Date: October 26, 2005

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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>
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Sheet 1 of 2

Form PTO-1449  
(REV. 8-83)US Dept. of Commerce  
PATENT & TRADEMARK OFFICEATTY DOCKET NO.  
116713APPLICATION NO.  
10/657,108

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)  
Hironori OKADOFILING DATE  
September 9, 2003GROUP  
2821

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1	5,255,002	10-19-1993	Day		
	2	6,452,548	09-17-2002	Shoji et al.		
	3	2002/0026586	02-28-2002	Takafumi		
	4	6,720,924	04-13-2004	Isao et al.		
	5	2003/0034920	02-20-2003	Lee		
	6	6,133,879	10-17-2000	Grangeat et al.		
	7	2003/0020668	01-30-2003	Peterson		
	8	2003/0156064	08-21-2003	Bancroft et al.		
	9	6,046,703	04-04-2000	Wang et al.		
	10	6,762,723	07-13-2004	Nallo et al.		
	11	6,747,605	06-08-2004	Lebaric et al.		
	12	2002/0015000 A1	02-07-2002	Reece et al.		
	13	6,329,950	12-11-2001	Harrell et al.		
	14	6,232,925	05-15-2001	Hiroshi		

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	15	JP-A 06-291530 (w/Abstract & translation)	10-18-1994	Japan		
	16	JP-A 2002-100915 (w/Abstract & Translation)	04-05-2002	Japan		
	17	JP-A 2002-171126 (w/Abstract & Translation)	06-14-2002	Japan		
	18	JP-A 2002-252515 (w/Abstract & Translation)	09-06-2002	Japan		
	19	JP-A 2000-183789 (w/Abstract & Translation)	06-30-2000	Japan		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: October 26, 2005

